

1. An elbow-shaped electric plug comprising first (7) and second (6) hollow cylindrical bodies fixed to one another and making an angle, one end (2) of the first body (7), closed by a stopper (3), being housed in one end (1) of the second body (6) so as to define a continuous passage between the free ends (8, 12) of the two bodies (6, 7), the first body (7) comprising a removable contact block (5, 11); the electric plug being characterized in that it further comprises a coaxial cylindrical cage (4) arranged in the first body (7) in such a way as to hold the removable contact block (5, 11) in position, the cage (4) further comprising a hollowing (23) formed on its longitudinal wall of a length shorter than the length of the cylindrical cage and arranged at the same side as the free end (12) of the second cylindrical body (6).

2. The electric plug as claimed in the preceding claim, characterized in that the width of the hollowing (23) extends over about 180° around the main axis of the cage (4).

3. The electric plug as claimed in claim 1 or 2, characterized in that the length of the hollowing (23) is slightly shorter than the length of the cage (4).

4. The electric plug as claimed in any one of the preceding claims comprising elastic means (18, 21) arranged towards the end of the cage (4) which is situated at the same end as the stopper (3) or between said end and the stopper (3), said means (3) being produced in such a way as to ensure elastic contact between the cage (4) and the stopper (3).

5. The electric plug as claimed in claim 4, characterized in that the cage (4) comprises an end

that is rendered elastic (14) along the main axis of the cage (4).

5 6. The electric plug as claimed in claim 5, characterized in that the elastic end (14) is hollow, of conical shape, and has radial slots (19) extending from the vortex of the cone.

10 7. The electric plug as claimed in claim 5, characterized in that the elastic end (14) is solid and has a slot (20) made in a plane perpendicular to the main axis of the cage (4); that part of the cage (4) that is situated between the slot (20) and the stopper (3) having approximately the shape of a disk (21), said
15 disk (21) comprising a protrusion (22) directed towards the outside of the cage (4), towards the stopper (3).

20 8. The electric plug as claimed in any one of claims 5 to 7, characterized in that the cage (4) is of a length slightly longer than the space available, thereby causing the cage (4) to be compressed when the connector is closed by the stopper (3).

25 9. The electric plug as claimed in claim 4, characterized in that the elastic means are arranged between said end and the stopper (3).

30 10. The electric plug as claimed in claim 9, characterized in that the elastic means consist of a component made of elastomer, for example a seal of the O-ring type.

35 11. The electric plug as claimed in claim 9, characterized in that the elastic means consist of a spring.

12. The electric plug as claimed in any one of

claims 1 to 3, characterized in that the hollowing (23) is sufficiently large enough to give the cage (4) elasticity.

- 5 13. The electric plug as claimed in any one of the preceding claims, characterized in that the end of the first body (7) which end is housed in the second body (6), is surrounded by a seal of the O-ring type (16).
- 10 14. The electric plug as claimed in any one of the preceding claims, comprising a seal of the O-ring type (17) situated between the first body (7) and the second body (6), said seal (17) being arranged inside the second body (6) so as also to ensure optimum electrical
- 15 contact between the bodies (6, 7).

15. A cylindrical cage (4) for an elbow-shaped electric plug as defined in claim 1, said cage (4) being designed to be arranged in the first body (7) of
- 20 an elbow-shaped plug in such a way as to hold the removable contact block (5, 11) of the elbow-shaped plug in position; the cage (4) further comprising a hollowing (23) formed on its longitudinal wall of a length shorter than the length of the cylindrical cage
- 25 and designed to be arranged on the same side as the free end (12) of the second cylindrical body (6) of the elbow-shaped plug.